## 02/06/2012 - 2.30pm to 5.30pm

	USN		10CED14 / 24
		First / Second Semester B.E. Degree Examination, May / Jun	
		COMPUTER AIDED ENGINEERING DRAWI	NG
Time:	3 Hour	s (COMMON TO ALL BRANCHES)	Max. Marks: 100
	Note:	<ul> <li>1.Answer three full questions</li> <li>3. Draw to actual scale</li> <li>2. Use A4 sheets supplied</li> <li>4. Missing data, if any, may be suital</li> </ul>	oly assumed
13 Q	21 a) i.	A point M is on HP and 30 mm in front of VP. Another point N is 20 mm below front of VP. The distance between their projectors measured parallel to XY line distance between front views of the points M and N	
57	ii.	A line has its end A 10 mm above HP and 15 mm in front of VP. The above HP and the line is inclined at 30° to HP and 35° to VP. The disprojectors is 50 mm. Draw the projections of the line. Determine the true and its inclination with VP.	tance between end
		OR	
149	b)	A circular lamina inclined to VP appears in its front view as an ellipse of major axis 30 mm and minor axis 15 mm, the major axis is parallel to both HP and VP. One end of the minor axis is in both HP and VP. Draw the projections of the lamina and determine the inclination of the lamina with VP.  (30 Marks)	
164	Q2.	A pentagonal prism 25 mm sides of base and 50 mm axis length is suspended of base. Draw the projections when the axis appears to be inclined to VP at 45°.	

Q3 a) A funnel is to be made of sheet metal. The funnel tapers from 60 mm to 30 mm diameter to a height

completely at an angle of 45° to the axis. Draw the development of the funnel.

projection of the combined solids

of 25 mm and then forms a cylinder with a height of 50 mm. Bottom of the funnel is beveled off

OR

A sphere of diameter 30 mm rests on the frustum of a hexagonal pyramid base 30 mm, top face 18 mm side and height 50 mm, such that their axis coincide. Draw the isometric

(30 Marks)

(30 Marks)

250

259